In this course, you will learn about the different components that make up the infrastructures of the top public cloud providers, and the security challenges these environments present, including high availability (HA), auto-scaling, software-defined network (SDN) connectors, and how to manage traffic in the cloud with Fortinet products.

Product Version

- FortiGate 6.4
- FortiWeb 6.3

Course Duration

- Lecture time (estimated): 4 hours
- Lab time (estimated): 7 hours
- Total course duration (estimated): 11 hours/2 days

Who Should Attend

Anyone who is responsible for the deployment or day-to-day management of Fortinet solutions on cloud vendors.

Certification

This course is intended to help you prepare for the NSE 7 Public Cloud Security certification exam.

Prerequisites

General knowledge of IaaS vendors, and experience with the FortiGate and FortiWeb VMs
AWS Prerequisites
In order to run the labs on AWS, students must have their own AWS accounts with the following:

- A valid payment method registered on the account
- The ability to subscribe to FortiGate PAYG and FortiWeb PAYG products on the AWS marketplace
- Capacity for at least four elastic IPs and 10 vCPUs in a single region
- Permissions to create the following:
  - VPCs
  - EC2 instances
  - Security groups
  - Lambda functions
  - AIM users
  - Elastic load balancers
  - Auto scaling groups
  - Deploy cloud formation stacks

Azure Prerequisites
In order to run the labs on Azure, students must have their own Azure accounts with the following:

- A pay-as-you-go subscription with a valid payment method. The free trial will not work for some labs.
- The ability to deploy FortiGate and FortiWeb PAYG from the Azure marketplace
- Capacity for at least 10 vCPUs in a single region
- Permissions to create the following:
  - App registrations (service principal) and keys
  - Load balancers
  - VNet
  - Virtual machines with four vCPUs
- The ability to do the following:
  - Run PowerShell scripts
  - Read the Active Directory properties and use Azure functions

The estimated cost per student for running the lab, if done within the specified lab times and everything is deleted at the end, is USD $10 per cloud vendor per day.

Objectives
After completing this course, you will be able to:

- Deploy a FortiGate VM on Amazon Web Services (AWS) and Azure in single, HA, and auto-scaling modes
- Use Fortinet templates to deploy complex environments
- Deploy FortiWeb in AWS and Azure
- Use SDN connectors with cloud vendors
- Integrate other Fortinet services and products with cloud vendors

Delivery Options and SKUs

Instructor-Led Training
Includes standard NSE training content delivered in person onsite, or live online using a virtual classroom application. Training is delivered within public classes or as a private class. Private requests are scoped, quoted, developed, and delivered by Fortinet Training (minimum quantities apply).

Use the following ILT Training SKU to purchase scheduled public classes of this course through Fortinet Resellers or Authorized Training Partners:

FT-PUB-CDS

Self-Paced Training
Includes online training videos and resources through the Fortinet Training Institute library, free of charge.

See Purchasing Process for more information about purchasing Fortinet training products.

(ISC)²

- CPE training hours: 4
- CPE lab hours: 7
- CISSP domains: Communication and Network Security

Program Policies and FAQs
For questions about courses, certification, or training products, refer to Program Policy Guidelines or Frequently Asked Questions.